**Final – Term Review**

Dear Professor!

Following are the things that I got to know about each chapter in WAP after mid-term and my perception of Science of Consciousness regarding the course content.

**Chapter 11: JavaScript Classes**

In this chapter, I learned about the JavaScript classes and inheritance that supports data encapsulation and abstraction. It is a practice of object-oriented programming. A lot of code can be reused and organized with the use of JavaScript classes.

**Chapter 12: jQuery/DOM**

jQuery is a powerful and convenient API for working with the DOM and handling events that ensures cross-browser compatibility and many additional functions. jQuery helps developers for rapid development of web applications.

**Chapter 13: jQuery Event Handling**

In this chapter, I studied about event driven programming in jQuery. jQuery can render and manipulate DOM elements, CSS and other various things with event handling. It makes user interactions in different web applications effective.

**Chapter 14: Node.js**

In this chapter, I learned about Node.js what allows JavaScript to run in outside of browsers. It allows us to write command line applications and build server-side applications.

**Chapter 15: Express JS**

In this chapter, I got to know about Express JS which is a popular framework for Node.js to develop organized and dynamic web applications easily. Express is built on top of the core http package, making it much quicker and easier to build web applications - server side and client JavaScript.

**Chapter 16: Templates and MVC**

In this chapter, I learned about Express templates and MVC. It is all about separation of concerns. Using MVC, our code can be separated into three categories called model (business logic-database), view(front-html) and controller (that ties them together).

**Chapter 17: Cookies and Sessions**

In this chapter, I learned about cookies and sessions that help us to store user data for certain time in client(browser) as well as in server side. It can help the application owners to remember users in future who visited their websites/applications.

**Chapter 18: AJAX and JSON**

In this chapter, I studied about Asynchronous JavaScript and XML, and JavaScript Object Notation. Ajax is a set of programming techniques collectively used to make web applications highly responsive even with rich content. JSON is a very popular and convenient platform to transfer data into different platforms.

**Science of Consciousness**

After mid-term, we have learned so many things about JavaScript and frameworks. I will focus MVC design pattern with the science of consciousness.

As we know, MVC is a design pattern where we separate our software code into three major categories.

Model: Business Logic with database operation

View: Front end-design (HTML/CSS)

Controller: That controls/ties them together.

Using MVC, we can manage and organize any piece of software in different layers such that it will be easier to update it in the future. If one part doesn’t work, others will have errors/issues.

Our life is also almost same. Our life is also found in layers. We must organize/balance the things in our life like health (mental, physical), family, relations, work, enjoyment etc. If one part of our life is not managed properly, then, there will be effects on every other part of our life.

Thank you!

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